

Ameritech Michigan

MDF

ITEM COST SUMMARY

MDF

Estimated Investments:

Recoverable Material Cost	\$	11.87
Non-Recov. Material Cost		-
Installation Cost		3.10
Total	\$	14.98

Estimated Recurring Costs

Depreciation	\$	2.02
Cost of Money		0.94
Income Tax		0.41
Maintenance		0.96
Administrative Overhead		-
Incremental Expense		-
Other Recurring Expense		-
Ad Valorem Tax		0.15
Gross Receipts Tax		-

Total Annual Cost: \$ 4.48

Total Monthly Cost: \$ 0.37

**PROPRIETARY**

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Ameritech Michigan

MDF PBX GrdSt/Coin

ITEM COST SUMMARY

		MDF PBX GrdSt/Coin
Estimated Investments:		
Recoverable Material Cost	\$	12.48
Non-Recov. Material Cost		-
Installation Cost		3.26
Total	\$	15.74
Estimated Recurring Costs		
Depreciation	\$	2.13
Cost of Money		0.99
Income Tax		0.43
Maintenance		1.01
Administrative Overhead		-
Incremental Expense		-
Other Recurring Expense		-
Ad Valorem Tax		0.15
Gross Receipts Tax		-
Total Annual Cost:	\$	4.71
Total Monthly Cost:	\$	0.39

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AMERITECH MICHIGAN

UNBUNDLED LOOP  
COST OF A TELEPHONE NUMBER

LINE	DESCRIPTION	
1	NETWORK ADMINISTRATION HOURS - INSTALL	1
2	CENTRAL OFFICE ACTIVITY HOURS - INSTALL	44
3	CIRCUIT FACILITIES HOURS - INSTALL	80
4	COSMOS DATABASE HOURS - INSTALL	3
5	NETWORK ADMINISTRATION HOURS - REMOVE	0.25
6	CENTRAL OFFICE ACTIVITY HOURS - REMOVE	10
7	CIRCUIT FACILITIES HOURS - REMOVE	20
8	COSMOS DATABASE HOURS - REMOVE	0.5
9	USABLE NUMBERS IN A PREFIX (FWD LOOKING)	10,000
10	C.O. LINE & NO. ADMIN. (96) M270X	39.19
11	C.O. TECHNICIAN (96) P430X	41.43
12	CIRCUIT FACILITIES (96) M270X	39.19
13	COSMOS DATABASE (96) P430X	41.43
14	PROGRAM STORE WORD INSTALLED INVEST.	0.0056
15	COST OF MONEY	0.136
16	ANNUAL COST FACTOR 377C (MEGA DMS)	0.4552
17	DISCOUNT RATE (MEGA DMS)	0.824
18	LABOR RATE INFLATION FACTOR	various

NONRECURRING COSTS

19	NETWORK ADMINISTRATION COST - INSTALL	L1*L10	39.19
20	CENTRAL OFFICE ACTIVITY COSTS - INSTALL	L2*L11	1822.92
21	CIRCUIT FACILITIES COST - INSTALL	L3*L12	3135.20
22	COSMOS DATABASE COST - INSTALL	L4*L13	124.29
23	TOTAL LABOR COST - INSTALL	L19..L22	5121.60
24	LABOR INFLATION FACTOR FOR 7 YEARS		1.357
25	NETWORK ADMINISTRATION COST - REMOVE	L5*L10*L24	13.3
26	CENTRAL OFFICE ACTIVITY COST - REMOVE	L6*L11*L24	562.21
27	CIRCUIT FACILITIES COST - REMOVE	L7*L12*L24	1063.62
28	COSMOS DATABASE COST - REMOVE	L8*L13*L24	28.11
29	TOTAL LABOR COST - REMOVE (FUTURE AMT)	L25..L28	1667.24
30	PV of FUTURE AMT FACTOR (1,11.5%,7yr)		0.46674
31	PV OF REMOVAL COSTS	L30*L29	778.17
32	TOTAL LABOR COSTS	L23+L31	5899.77
33	NONRECURRING COST PER NUMBER	L32/L9	0.59

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UNBUNDLED LOOP  
COST OF A TELEPHONE NUMBER

LINE	DESCRIPTION		
34	NONRECURRING COST PER NUMBER (LABOR)	L33	0.59
35	USEFUL LIFE IN YEARS		7
36	ANNUITY FACTOR (PV 1,INT 11.5, TERM 7 YRS)		0.1774
37	ANNUAL RECURRING COST PER NUMBER (LABOR)	L34*L36	0.10467
38	ANN COST FOR PROG STORE WORD	L14	0.0056
39	ANN COST FOR PGM STORE WORD w/discount	L38*(1-L17)	0.00099
40	TOTAL ANNUAL COST PER NUMBER	L37+L39	0.10566
41	TOTAL MONTHLY COST PER NUMBER	L40/12	0.01

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AMERITECH MICHIGAN

UNBUNDLED PORT  
INTERCEPT COST SUMMARY

1. OPERATOR ANNUAL WAGES AND EXPENSES		\$257,423
2. INTERCEPT TRUNK MILEAGE ANNUAL COST		\$16,182
3. INTERCEPT CXR TERMINATIONS ANNUAL COST		\$663,735
4. INTERCEPT COE SW ANNUAL COST		\$252,812
5. TOTAL INTERCEPT EXPENSE	L1+L2+L3+L4	\$1,190,152
6. TOTAL ACCESS LINES		4,890,240
7. ANN INTERCEPT COST PER ACCESS LINE	L5/L6	\$0.24
8. MO. INTERCEPT COST PER ACCESS LINE	L7/12	\$0.02

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AMERITECH MICHIGAN

UNBUNDLED PORT  
INTERCEPT OPERATOR SERVICES  
WAGES & EXPENSES

A. 2140 INTERCEPT - OPERATORS		\$101,000
B. 2141 INTERCEPT - SUPERVISION AND ASSISTANCE		\$28,000
C. 2142 OPERATOR SERVICES CLERICAL - INTERCEPT		\$3,000
D. 2146 INTERCEPT OPERATOR REFERENCE SOURCE - MTCE.		\$109,000
E. 2147 INTERCEPT OPERATOR REFERENCE SOURCE - MAINTENANCE SUPERVISION AND ASSISTANCE		\$56,000
F. TOTAL INTERCEPT WAGES AND EXPENSES (A+...+E)		\$297,000
G. PERCENT ASSIGNED TO LOCAL		0.757354
H. TOTAL INTERCEPT WAGES & EXPENSES ASSIGNED TO LOCAL (1993)	F*G	\$224,934
F. TOTAL 1996 INTERCEPT EXPENSES-TPI	(H*1.144)	\$257,423

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AMERITECH MICHIGAN

UNBUNDLED PORT  
INTERCEPT TRUNK MILEAGE COST

1. AUTOMATIC INTERCEPT TRUNK MILES	ENGR STUDY	88,309
2. INVESTMENT PER MILE DS0 845C	FIC STUDY, L40	\$0.16
3. INVESTMENT PER MILE DS0 4C	FIC STUDY, L41	0.09
4. INVESTMENT PER MILE DS0 85C	FIC STUDY, L42	0.18
5. INVESTMENT PER MILE DS0 357C	FIC STUDY, L45	0.52
6. ANNUAL COST FACTOR (ACF) 845C		0.1898
7. ANNUAL COST FACTOR (ACF) 4C		0.1447
8. ANNUAL COST FACTOR (ACF) 85C		0.1969
9. ANNUAL COST FACTOR (ACF) 357C		0.3137
10. ANNUAL COST OF INTERCEPT MILEAGE	SUM(Mi*Inv*ACF)	\$21,367
11. PERCENT ASSIGNED TO LOCAL	SIS-PC	0.757354
12. ANNUAL COST OF INTERCEPT MILEAGE	L10*L11	\$16,182

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AMERITECH MICHIGAN

UNBUNDLED PORT  
INTERCEPT CXR TERMINATIONS

1. AUTOMATIC INTERCEPT TRUNKS	ENGR STUDY	2,770
2. NO. OF CXR TERMINATIONS	2*L1	5,540
3. INVESTMENT PER TERMINATION	FIC STUDY, L14	\$504.28
4. ANNUAL COST FACTOR 357C		0.3137
5. TOTAL ANNUAL COST	L2*L3*L4	\$876,387
6. PERCENT ASSIGNED TO LOCAL	SIS-PC	0.757354
7. INTERCEPT COST ASSIGNED LOCAL	L5*L6	\$663,735

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AMERITECH MICHIGAN

UNBUNDLED PORT  
INTERCEPT COE SWITCHING EQUIPMENT

A. 2200 CAT 1Q0 (FRC 117C) (04/95 SIS-PC, SEC A-1, P.1 OF 1, LINE 8I)		\$807,396
B. 117C CC/BC FACTOR (1994)		1.009
C. 117C CURRENT INVESTMENT (1994)	A*B	\$814,663
D. 117C TPI FACTOR 96/94		0.994
E. 117C INVESTMENT (1996)	D*C	\$809,775
F. 117C ANNUAL COST FACTOR		0.3122
G. 117C INTERCEPT ANNUAL COST	F*E	\$252,812

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## DIRECTORY EXPENSES

	Annual Expenses	Annual Listings	Exp. Per Listing
Database	\$951,200	3,631,463	\$0.26
Directory	\$1,301,300	2,631,231	0.49
Annual Expense Per Listing			<u>\$0.75</u>
Monthly Expense Per Listing			\$0.06

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**AMERITECH - MICHIGAN**

**UNBUNDLED PORTS**

**OTHER EXPENSE & NONRECURRING COST SUMMARY**

Source

**A) REGIONAL COSTS - PORTS**

1) Annual Direct Administration Expense - Ports	\$170,579.16	
2) Annual Expense Per Port	\$6.39	LA1/(72,096*.37020)
3) Monthly Expense Per Port	\$0.53	LA2 / 12
4) Nonrecurring Costs - Ports	\$34,677.46	
5) Annual Cost Per Port	\$0.48	LA4/72,096
6) Monthly Cost Per Port	\$0.04	LA5 / 12

**B) STATE SPECIFIC COSTS - PORTS**

1) Nonrecurring Costs - Ports	\$24,246.60	
2) Annual Cost Per Port	\$1.68	LB1 / 14,419
3) Monthly Cost Per Port	\$0.14	LB2 / 12

**C) COSTS PER PORT**

1) Report Expense Processing Per Port Per Month	\$0.02	
2) Additional Maintenance Expense Per Port Per Month	\$0.02	
3) Other Monthly Expense per Port	\$0.71	LA3 + LA6 + LB3
4) TOTAL	\$0.75	LC1 + LC2 +LC3

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**AMERITECH - MICHIGAN**  
**UNBUNDLED PORTS**  
**PRODUCT MANAGEMENT EXPENSES**

	a		b	c=a*b	d=a*b
			1997	Regional	or State Specific
	<u>Hours</u>	<u>Source</u>	<u>Labor Rate</u>	<u>Total</u>	<u>Total</u>
1) Product Management					
a) Ports - 1 SG 5	2,088	174 hrs *12 mos.	\$66.25	\$138,330.00	
b) Ports - 25% 1 SG5	522	174 hrs *12 mos.*.25	\$61.78	\$32,249.16	
c) Total Annual Expense				\$170,579.16	
2) Product Management Report Processing					
a) Daily Report per Loop/Port	0.016667	Business Unit	\$32.12		\$0.54
b) Monthly Report per Loop/Port	0.000649	Business Unit	\$32.12		\$0.02
c) Report Processing Expense per Loop/Port					\$0.56
d) A/P @11.5%, 3 Years					0.37020
e) Annual Cost per Loop/Port		(L2c * L2d)			\$0.21
f) Monthly Cost per Loop/Port		(L2e / 12)			\$0.02

# AMERITECH - MICHIGAN

## UNBUNDLED PORTS

### NONRECURRING COSTS

	a	b	c=a*b	or	d=a*b
	<u>Hours</u>	<u>1996 Labor Rate</u>	<u>State Specific Total</u>		<u>Regional Total</u>
1) Billing System Reprogramming					
- ACIS / CRIS					
a) SG 4	105	\$62.41	\$6,553.05		
b) SG 3	315	\$56.17	\$17,693.55		
c) Total			\$24,246.60		
2) Methods and Procedures (M&P)					
- Development and Training					
- Network					
a) SG 3	250	\$56.17			\$14,042.50
b) Total					\$14,042.50
3) Integrated Testing					
a) SG 3	350	\$56.17			\$19,659.50
b) Total					\$19,659.50
4) Methods and Procedures (M&P)					
- Development and Training					
-Service Center					
a) SG 3	19 **	\$51.34			\$975.46
b) Total					\$975.46
5) Total Nonrecurring Cost			<u>\$24,246.60</u>		<u>\$34,677.46</u>

\*Source: Tab 14.3

\*\* Source: Tab 14.5

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**AMERITECH - MICHIGAN**  
**UNBUNDLED PORTS**  
**ADDITIONAL MAINTENANCE EXPENSE**

	<u>Source</u>	
1) Additional Time per Port Trouble Report		
- Unbundling Service Center	Network	8 minutes
2) Additional Expense per Port Trouble Report		
- Unbundling Service Center	(L1 / 60) * \$41.32	\$5.51
3) Annual % of Occurrence of Trouble	Network	4.00%
4) Additional Annual Expense per Port	(Sum L2 * L3)	\$0.22
5) Monthly Expense per Port	L4 / 12	\$0.02

MICHIGAN

STX COMMON BLOCK TRANSLATION MELD

Line	INITIAL	INST.		MELD	REMOV.	MELD
1	5E	\$206.40	0.3281	\$ 67.72	\$ 156.59	\$ 51.38
2	DMS	\$207.15	0.5707	\$ 118.22	\$ 112.25	\$ 64.06
3	EWSD	\$398.90	0.1012	\$ 40.37	\$ 302.61	\$ 30.62

4		SUB. TOTAL=		\$ 226.31		\$ 146.06
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5 PW/FA= 0.80436 x 146.06 = 117.49

6 INST.= \$226.31

7 REMOV.= \$117.49

8 TOTAL= \$343.80

NonVolume Sensitive Cost \$ 1.82

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# NONRECURRING COSTS

## CTX COMMON BLOCK TRANSLATION COST DEVELOPMENT

Line	Switch	Work Group	Description	State Performed	Hourly Rate	Hours	Cost
Install : 1996 Labor Rate							
1	DMS	P430X	I&M(COE)	IN	\$ 41.43		
2			Writer			2.5	\$ 103.58
3			Typist			2.5	\$ 103.58
4							<u>\$ 207.15</u>
5	5E	P430X	I&M(COE)	IL	\$ 41.28		
6			Writer			2.5	\$ 103.20
7			Typist			2.5	\$ 103.20
8							<u>\$ 206.40</u>
9	EWSD	P430X	I&M(COE)	WI	\$ 39.89		
10			Writer			6.0	\$ 239.34
11			Typist			4.0	\$ 159.56
12							<u>\$ 398.90</u>
Remove : 1998 Labor Rate							
13	DMS	P430X	I&M(COE)	IN	\$ 44.90		
14			Writer			1.5	\$ 67.35
15			Typist			1.0	\$ 44.90
16							<u>\$ 112.25</u>
17	5E	P430X	I&M(COE)	IL	\$ 44.74		
18			Writer			1.0	\$ 44.74
19			Typist			2.5	\$ 111.85
20							<u>\$ 156.59</u>
21	EWSD	P430X	I&M(COE)	WI	\$ 43.23		
22			Writer			4.0	\$ 172.92
23			Typist			3.0	\$ 129.69
24							<u>\$ 302.61</u>

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# NONRECURRING COSTS

## MICHIGAN

Line		<u>TRUNK PORT TRANSLATION MELD</u>					PW/FA	0.80436
1								
		<u>INSTALL</u>	<u>RATIO</u>	<u>MELD</u>	<u>REMOVE</u>	<u>MELD</u>		
2	5E	\$ 288.96	0.3312	\$ 95.70	\$ 313.18	\$ 103.73		
3	DMS	\$ 290.01	0.5722	\$ 165.94	\$ 314.30	\$ 179.84		
4	EWSD	\$ 279.23	0.0966	\$ 26.97	\$ 302.61	\$ 29.23		
5				\$ 288.62		\$ 312.80	→ 251.60 PW	

	<u>USC</u>	<u>TIME</u>	<u>RATE</u>	<u>COST</u>
6	Pre Service Setup	0.250	\$ 41.32	\$ 10.33
7	Verify & Release Order	0.167	\$ 41.32	\$ 6.90
8	Reverify & Close Order	0.083	\$ 41.32	\$ 3.43
9	Disconnect Order	0.083	\$ 41.32	\$ 3.43
10	Total			\$ 24.09

11	INSTALL	\$ 288.62		
12	REMOVE	\$ 251.60		
13	USC	\$ 24.09		
14	TOTAL	<b>\$ 564.31</b>	Non Volume Sensitive Cost \$	<b>2.98</b>

	<u>SUBSEQUENT CHANGES</u>	<u>TIME</u>	<u>RATE</u>	<u>COST</u>
	Centralized Translations Group(CTG) :			
15	Build Route Index Per Trunk Group	0.333	\$ 42.93	\$ 14.30
16	Disconnect Order	0.167	\$ 42.93	\$ 7.17
17	Total			\$ 21.47

Non Volume Sensitive Cost \$ **0.15**

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# NONRECURRING COSTS

## MICHIGAN

<u>Line</u>	<u>TRUNK TRANSLATION DEVELOPMENT</u>						
	<u>Switch</u>	<u>Work Group</u>	<u>Description</u>	<u>State Performed</u>	<u>Hourly Rate</u>	<u>Hours</u>	<u>Cost</u>
<b>Install :</b>	1996	Labor Rate					
1	DMS	P430X	I&M(COE)	IN	\$ 41.43		
2			Writer			4.0	\$ 165.72
3			Typist			3.0	<u>\$ 124.29</u>
4							<b>\$ 290.01</b>
5	5E	P430X	I&M(COE)	IL	\$ 41.28		
6			Writer			4.0	\$ 165.12
7			Typist			3.0	<u>\$ 123.84</u>
8							<b>\$ 288.96</b>
9	EWSD	P430X	I&M(COE)	WI	\$ 39.89		
10			Writer			4.0	159.56
11			Typist			3.0	<u>119.67</u>
12							<b>279.23</b>
<b>Remove :</b>	1998	Labor Rate					
13	DMS	P430X	I&M(COE)	IN	\$ 44.90		
14			Writer			4.0	\$ 179.60
15			Typist			3.0	<u>\$ 134.70</u>
16							<b>\$ 314.30</b>
17	5E	P430X	I&M(COE)	IL	\$ 44.74		
18			Writer			4.0	\$ 178.96
19			Typist			3.0	<u>\$ 134.22</u>
20							<b>\$ 313.18</b>
21	EWSD	P430X	I&M(COE)	WI	\$ 43.23		
22			Writer			4.0	\$ 172.92
23			Typist			3.0	<u>\$ 129.69</u>
24							<b>\$ 302.61</b>

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UNIQUE LINE CLASS CODE (LCC)  
MICHIGAN

	<u>5E</u>	<u>DMS</u>	<u>EWSD</u>	<u>TOTAL</u>
# of Offices	154	164	68	386
CTG hours per Switch	5.5	3	3	
Cost per hour	\$ 42.93	\$ 43.09	\$ 41.48	
CTG cost per Technology	\$36,361.71	\$ 21,200.28	\$ 8,461.92	\$ 66,023.91
SIL Testing hours per Tech.	1.5	1.5	1.5	
Testing costs	\$ 231.00	\$ 246.00	\$ 102.00	\$ 579.00
Total cost per technology	\$36,592.71	\$ 21,446.28	\$ 8,563.92	\$ 66,602.91

Per LCC, per Switch

**\$ 202.44**

Non Volume Sensitive Cost \$ **1.07**

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9/20/96

MICHIGAN  
Unbundled Port - Nonrecurring Costs  
Unbundled Port

WORK GROUP	A LABOR RATE	B MIN. TIME MINS	C MAX. TIME MINS	D MOST LIKELY TIME	E AVE TIME MINS	F PROB OF OCCUR	G WTD MINS (E*F)	H COST (G/60*A)
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## SERVICE ORDERING COST

					0.00	100.00%	0.00	\$0.00	BILLING ADJUSTMENT
BSC	\$32.12				5.00	100.00%	5.00	\$2.68	PROCESS ORDER
									LOG-IN, SCREEN, RESOLVE
	36.72							4.33	DISCREPANCY, FORMAT,
					# DISCONN		5.00	2.21	ENTER AND DISTRIBUTE.
					MACHINE COST			3.12	

SERVICE ORDER TOTAL \$12.34

Non Volume Sensitive Cost \$ 0.07

## LINE CONNECTION COST

COF	\$33.16				5.00	100.00%	5.00	\$2.76	RUN JUMPER
	37.91				2.50	95.00%	2.38	1.08	# DISCONNECT
								3.84	
LAC	38.14				15.00	100.00%	15.00	9.54	MANUAL ASSIGNMENT
USC	41.32				23.00	100.00%	23.00	15.84	COORDINATING
	47.24						2.30	1.31	# DISCONNECT
								17.15	
NAC	40.75				6.00	100.00%	6.00	4.08	ASSIGN OE
					90.00	1.00%	0.90	0.61	PROBLEM RESOLUTION
								4.69	
CPC	34.76				30.00	10.00%	3.00	1.74	FALL OUT ORDERS ONLY
									NEED TO CHECK ERROR
									AND RESUBMIT OR DO A
									SPECIAL DESIGN
CTG	43.65				60.00	20.00%	12.00	8.73	TRANSLATIONS
BSC	32.12				30.00	10.00%	3.00	1.61	CONTACT AEC IF ANY SERV-
									ICE ORDER ERRORS

Non Volume Sensitive Cost \$

LINE CONNECTION TOTAL \$47.30

Port Conversion \$47.30 -\$3.84 43.46

# Disconnect Present Value Based on Cost of Money Rate - 11.5%

CTX ATTENDY CONSOLE PORT\* = 2X 47.30 = \$94.60  
LINE CONNECTION

Non Volume Sensitive Cost \$

\* DUE TO COMPLEXITY OF CONSOLE  
EQUIPMENT - MORE LINE CARDS ETC.  
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MICHIGAN

Order Type: RECORD ONLY

<u>Flowchart</u>	<u>1996 Labor Rate</u>	<u>Weighted Mean Time</u>	<u>A Order</u>	<u>B Line</u>	<u>C Cust Prem</u>	<u>Total</u>	<u>Description</u>
BSC	\$38.81	0.20	7.76	0.00	0.00	\$7.76	Business Service Center (2870)
SOC	\$30.64	0.01	0.31	0.00	0.00	\$0.31	Service Order Correction (2330)

Computer Svc Ord process cost      \$4.74

Total Cost      \$12.81      \$0.00      \$0.00      **\$12.81**

Service Order  
Line Connection

\$12.81      NonVolume Sensitive Cost \$ 0.0  
\$0.00

**CTX SYSTEM CHANGE AND REARRANGEMENT/SYSTEM ACTIVATION**

5E LABOR RATE 1997	\$ 42.565	SYSTEM CH/REARR HRS	1.18
DMS LABOR RATE 1997	\$ 41.865		
EWSD LABOR RATE 1997	\$ 40.090	SYSTEM ACTIVATION HRS	
		INSTALL	3.5
		REMOVE	1.21

**MELD**

	<b>MICHIGAN</b>
5E	0.3321
DMS	0.5737
EWSD	0.0942

**CTX SYSTEM CHANGE/REARRANGE**

		<b>MICHIGAN</b>
5E	\$ 50.23	\$ 16.68
DMS	\$ 49.40	\$ 28.34
EWSD	\$ 47.31	\$ 0.55
TOTAL		\$ (45.57)

Non Volume Sensitive Cost \$ 0.24

**CTX SYSTEM ACTIVATION**

	<b>INSTALL</b>	<b>MICHIGAN</b>
5E	\$ 148.98	\$ 49.48
DMS	\$ 146.53	\$ 84.06
EWSD	\$ 140.32	\$ 13.22
TOTAL		\$ (146.76)
	<b>REMOVE</b>	<b>+</b>
5E	\$ 54.14	\$ 17.98
DMS	\$ 54.33	\$ 31.17
EWSD	\$ 52.31	\$ 4.93
TOTAL		\$ 54.07
0.80436 PW/FA		\$ (43.50)

190.26

CONFIDENTIAL Non Volume Sensitive Cost \$ 1.00

USAGE BILLING DEVELOPMENT

	HOURLY RATE	HOURS	COST
CAMPS/ACIS	\$ 75.00	750	\$ 56,250.00
CABS	\$ 100.00	1200	\$ 120,000.00
		TOTAL	\$ 176,250.00

Forecasted number of customers 25

Cost per Customer \$ 7,050.00

TRUNK ORDERING DEVELOPMENT

Per trunk type	\$ 56.97	832	\$ 47,399.04
Number of trunk types		10	\$ 473,990.40
Number of customers		25	

Cost per Customer \$ 18,959.62

TOTAL \$ 26,009.62

Non Volume Sensitive Cost \$ **137.35**

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# CUSTOMER TRAINING

RC A26XX-XXXX

SG 3

1997

\$ 58.98

NonVolume Sensitive Cost \$ 0.31

Used for the following function :  
Customer Training. 1HR

## PROPRIETARY

The information contained herein should not be disclosed to unauthorized persons. It is meant solely for use by authorized American employees.



Ameritech -Michigan  
Unbundled Switching Cost Study

Unbundled Switching

Usage Cost Calculations - Michigan

Description		Per Message	Source
<u>Intraswitch Call</u>			
<u>Setup</u>			
1	Switching	\$ 0.001596	
2	SS7	\$ 0.000113	
3	Measurement (AMA)	\$ 0.000118	
4	Expense	\$ 0.001740	
5	Total Setup	\$ 0.003567	SUM(L1...L4)
<u>Duration</u>			
6	EO - IAO per Min.	\$ 0.001600	
7		3.280	Product Management
8	Total Message Duration Cost	\$ 0.005248	L6*L7
9	Total Cost per Message	\$ 0.008815	L5+L8
10	Cost Per Average Minute	\$ 0.002688	

Non Volume Sensitive Cost \$ 0.000014

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